

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6023403").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 06:54
L2	1	("6353236").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 06:54
L3	15	("3885243" "4405933" "5051785" "5083185" "5164874" "5304844" "5334853" "5449925" "5483086" "5661644" "5705853" "5815359" "5831287" "5914499" "6087682").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:00
L4	141895	(substrate layer ceramic) near3 (via hole heat near2 sink)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:24
L5	428	4 and overcurrent	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:04
L6	45	5 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:04
L7	55040	(conducting conduct) near3 heat	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:03
L8	828	7 near3 (via hole)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:23
L9	63	(substrate layer ceramic) near3 8	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:57
L10	1	9 and overcurrent	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:04
L11	196	7 and overcurrent	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L12	26	11 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 10:49
L13	7550	(substrate layer ceramic) near3 (conducting near2 heat heat near2 sink)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:19
L14	74	13 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:19
L15	222	7 near3 hole	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:23
L16	4	15 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L17	144	(substrate layer ceramic) and 15	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L18	2	overcurrent and 15	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:28
L19	1	("6353236").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 07:28
L20	15	("3885243" "4405933" "5051785" "5083185" "5164874" "5304844" "5334853" "5449925" "5483086" "5661644" "5705853" "5815359" "5831287" "5914499" "6087682").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:29

L21	75065	(substrate layer ceramic) near3 hole	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L22	149	21 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L23	16	22 and overcurrent	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:32
L24	4	("4242567" "4786888" "4912450" "5218336").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:40
L25	7	("3493913" "3634840" "4395623" "4431983" "4445026" "4550301").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:44
L26	9	("4912450").URPN.	USPAT	OR	ON	2005/03/30 07:45
L27	22	("3708720" "4031497" "4096464" "4626818" "4654510" "4728779" "4780598" "4788519" "4792781" "4808965" "4903295" "4912450" "4924205" "4959505" "4967176" "4992771" "5208723" "5210516" "5229739" "5239163" "5534843" "5663702").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:46
L28	22	("3287684" "3861029" "4034207" "4037082" "4051550" "4099216" "4162395" "4174511" "4177446" "4177785" "4237411" "4247441" "4388607" "4413174" "4413301" "4426339" "4445026" "4467310" "4481498" "4542365" "4549161").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 07:51
L29	60	("4780598").URPN.	USPAT	OR	ON	2005/03/30 07:58
L30	1	("20040109275").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 07:58
L31	2236	conducting near2 hole	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:02
L32	377	31 and bond	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:57
L33	8	32 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:02
L34	570	conducting near2 heat near5 (aperture slot hole)	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:03
L35	56	34 and bond	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:09
L36	1	("6854176").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 08:21
L37	1	("6023403").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 08:35
L38	1	("5313184").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 08:44
L39	1	("20040109275").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/30 08:56
L40	45910	(suppressor surge spike over) near2 voltage	US-PGPUB; USPAT	OR	ON	2005/03/30 08:57
L41	497	40 and PTC	US-PGPUB; USPAT	OR	ON	2005/03/30 08:57
L42	248	(substrate layer ceramic) and 41	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:04

L43	30	42 and bond	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 08:57
L44	28	("3617816" "4237441" "4238812" "4255698" "4272471" "4304987" "4315237" "4317027" "4330703" "4388607" "4426633" "4475138" "4514620" "4534889" "4545926" "4560498" "4591700" "4654511" "4689475" "4724417" "4774024" "4780598" "4800253" "4845838" "4904850" "4907340" "4924074" "4954696").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:00
L45	790	(substrate layer ceramic) near4 40	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:03
L46	826	(substrate layer ceramic die) near4 40	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:03
L47	941	(substrate layer ceramic) near4 PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:04
L48	3	46 and 47	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:04
L49	2060	(substrate layer ceramic) same PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:04
L50	3	46 and 49	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:05
L51	3	46 and PTC	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:05
L52	70	47 and 40	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:06
L53	34	("1364080" "2712591" "3405381" "3452314" "3654580" "3673538" "3719796" "3805022" "3813631" "3824521" "3916264" "3996447" "4024427" "4064477" "4152689" "4317027" "4387291" "4420739" "4427965" "4568907" "4698614" "4816958" "4937696" "5064997" "5208576" "5353005" "5379022" "5436609" "5644461" "5796568").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/30 09:13
L54	1842	(361/103,104,106).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/30 10:49
L55	253	40 and 54	US-PGPUB; USPAT	OR	ON	2005/03/30 10:51
L56	48	55 and PTC	US-PGPUB; USPAT	OR	ON	2005/03/30 10:50
L57	1997	(361/56).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/30 10:50
L58	796	40 and 57	US-PGPUB; USPAT	OR	ON	2005/03/30 10:51
L59	1	47 and 58	US-PGPUB; USPAT	OR	ON	2005/03/30 10:51
L60	2393	(361/93;1,91;1,111).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/03/30 10:51
L61	938	40 and 60	US-PGPUB; USPAT	OR	ON	2005/03/30 10:51
L62	4	47 and 61	US-PGPUB; USPAT	OR	ON	2005/03/30 10:52
S1	68	overcurrent and PTC near2 layer	US-PGPUB; USPAT	OR	ON	2005/03/29 12:31

S2	1839	overcurrent and overvoltage	US-PGPUB; USPAT	OR	ON	2005/03/29 12:31
S3	315	S2 and substrate	US-PGPUB; USPAT	OR	ON	2005/03/29 12:31
S4	37	S3 and PTC	US-PGPUB; USPAT	OR	ON	2005/03/29 12:32
S5	147	("2273704" "2978665" "3241026" "3243753" "3351882" "3591526" "3685026" "3685028" "3823217" "3828332" "3858144" "4045712" "4124747" "4169816" "4177376" "4177446" "4188276" "4223209" "4237441" "4238812" "4252692" "4259657" "4272471" "4304987" "4318220" "4327351" "4329726" "4330703" "4330704" "4331948" "4359414" "4367168" "4383942" "4388607" "4413301" "4426546" "4426633" "4445026" "4475138" "4534889" "4548740" "4560498" "4617609" "4685025" "4689475" "4724417" "4726991" "4732701" "4749623" "4774024" "4775778" "4800253" "4801785" "4857880" "4876439" "4878038" "4880577" "4882466" "4884163" "4907340" "4910389" "4924074" "4951382" "4955267" "4959632" "4966729" "4967176" "4971726" "4973934" "4980541" "4983944" "5068061" "5089801" "5099380" "5106538" "5106540" "5136365" "5140297" "5142263" "5143649" "5171774" "5174924" "5183698" "5189092" "5190697" "5195013" "5212466" "5214091" "5227946" "5231371" "5241741" "5246388" "5247276" "5247277" "5248517" "5250226" "5250228" "5257003" "5262754" "5268665" "5278535" "5280263" "5281845" "5289155" "5294374" "5303115" "5313184" "5337038" "5340641" "5351026" "5351390" "5358793" "5374379" "5382384" "5382938" "5393597" "5399295" "5412865" "5488348" "5493266" "5500996" "5543705" "5554679" "5610436" "5669381"). PN. OR ("5747147" "5777541" "5781395" "5801612" "5807509" "5817423" "5818676" "5831510" "5849129" "5852397" "5864281" "5874885" "6023403" "6191928" "6310752"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:39
S6	273	PTC and varistor	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:39
S7	48	S2 and S6	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:39
S8	10	("3795048" "3805022" "4152743" "4271446" "4347539" "4534889" "4583146" "4780598" "5008646" "5064997"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:45
S9	36	("5313184"). URPN.	USPAT	OR	ON	2005/03/29 12:47
S10	335	varistor near2 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:02
S11	531	PTC near2 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:02
S12	5	S10 and S11	USPAT	OR	ON	2005/03/29 12:48
S13	30	("0928398" "0934704" "1197693" "2429088" "4188651" "4212045" "4271045" "4311520" "4321089" "4324582" "4364021" "4505787" "4514321" "4733018" "4747014" "4987515" "5039452" "5062891" "5091820" "5131941" "5321223" "5407473" "5410135" "5443560" "5471721" "5480834"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:58
S14	91868	(excess exceed\$2 over spike surge) near2 current	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:58
S15	97794	(excess exceed\$2 over spike surge) near2 voltage	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 12:59
S16	349	S14 near2 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 12:59
S17	435	S15 near2 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 12:59
S18	8	S16 and S17	USPAT	OR	ON	2005/03/29 13:02

S19	477	varistor near5 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:09
S20	803	PTC near5 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:02
S21	14	S19 and S20	USPAT	OR	ON	2005/03/29 13:04
S22	1	("4675644").PN.	US-PGPUB; USPAT	OR	OFF	2005/03/29 13:04
S23	5	("2736080" "3235939" "4290041").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 13:05
S24	17	("4675644").URPN.	USPAT	OR	ON	2005/03/29 13:05
S25	361	overvoltage near5 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:09
S26	90	overcurrent near5 (layer ceramic substrate)	USPAT	OR	ON	2005/03/29 13:09
S27	8	S25 and S26	USPAT	OR	ON	2005/03/29 13:12
S28	5159	variable near2 material	USPAT	OR	ON	2005/03/29 13:12
S29	5	S28 and S2	USPAT	OR	ON	2005/03/29 13:12